

Well Construction Details

Top of PVC Casing
Elev. **747.01 ft.**

GROUND SURFACE

6.5" DIA.
BOREHOLE: 0 to
86 ft.

2" DIA. SCHED.
40 PVC CASING:
+2.1 to 55 ft.

BENTONITE-
CEMENT SEAL: 0
to 49 ft.

Recovery
(inches)
PID Reading
(ppm)

0

0

Depth (ft.)
Sample

0

5

10

15

20

25

30

35

Date 10/20/04
Driller Air Rotary
Drilling Method ARCH
Sampler Continuous Core
Hammer Weight NA Drop NA
Logged by Datum
Surface Elevation 744.92 Hole Dia. 6.5 in.
Northing 507555.489 Easting 1236761.191

Sandy Silt (ML) Topsoil at surface
Light Brownish Gray Weathered Mudstone (2.5Y 6/2) Moderately consolidated, intensely fractured, low hardness, deeply weathered, iron oxide along cutting surfaces and as veins
Note: Log cuttings from surface to 50 ft.

@ 24.5 ft.: Color change to Light Olive Brown (2.5Y 5/3), with abundant iron oxide

Dark Gray Unweathered Mudstone (5Y 4/1) Moderately consolidated, occasionally fractured, low hardness, weak, little to moderate weathering

BORING_WELL2_CASMALIA.RIFS.GPJ GEOL.GDT 12/13/10

Well Construction Details and Log of Boring RIPZ-10B

Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

PLATE

E9-19

DRAWN

JOB NUMBER

CHECKED

CHK'D DATE

APPROVED

APPR'D DATE

CN

4088097619

WJF

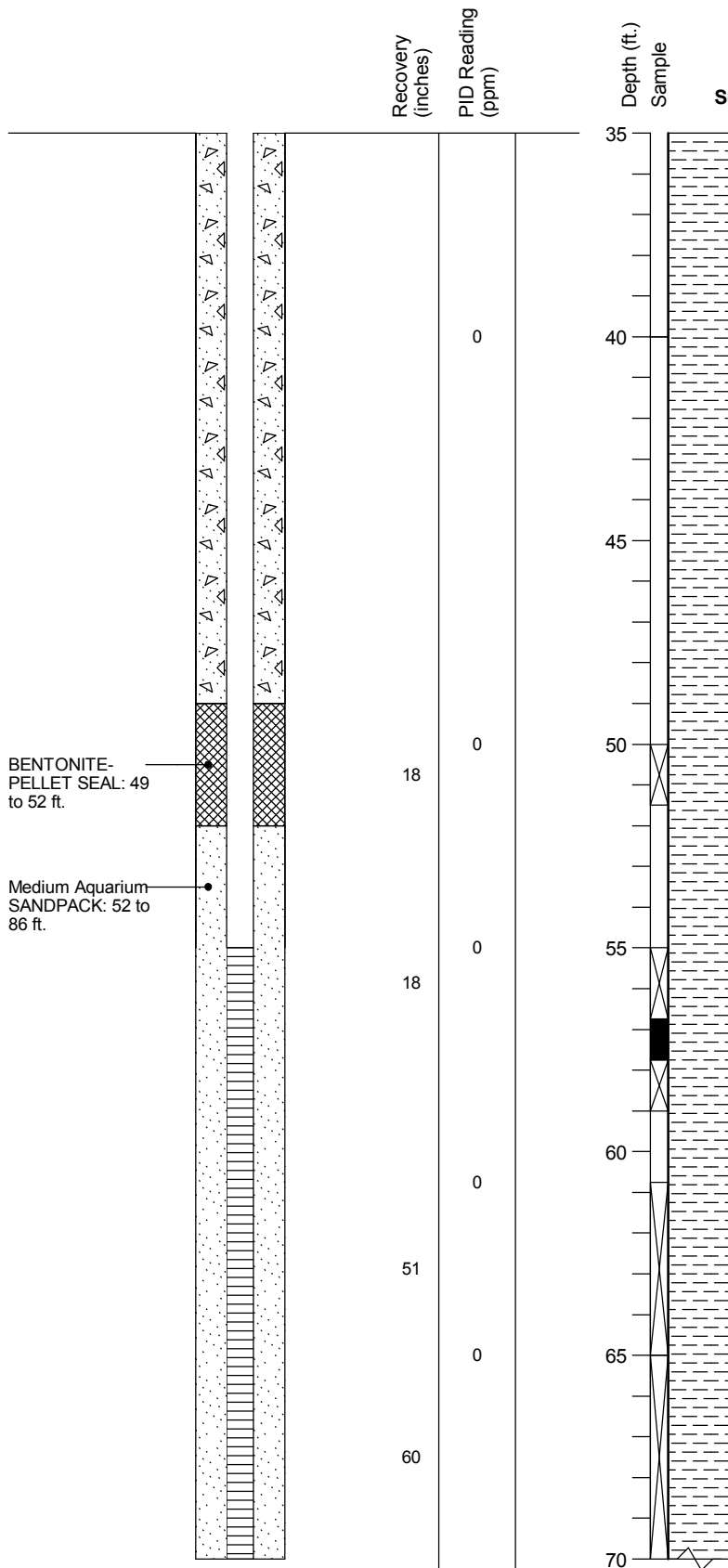
1/11

WBC

1/11

Well Construction Details

Date 10/20/04
 Driller Air Rotary
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 Hammer Weight NA Drop NA
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@ 47.5 ft.: Large cuttings with iron oxide along fractures

@ 52.3 ft.: Subhorizontal non-calcareous
 @ 52.3-52.5 ft.: White bed
 @ 53 ft.: Dark Gray (5Y 4/1), moderately consolidated, occasionally fractured, low hardness, weak, little to no weathering, some harder intervals, very mildly calcareous

@ 56.8 ft.: Chloride diffusion sample collected from 56.8 to 57.8 ft.

@ 62-65 ft.: Long nearly vertical fracture, no visible oxides

@ 68 ft.: Possible subhorizontal fracture, no oxides

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Well Construction Details

2" DIA. SLOTTED
(0.040") CASING:
55 to 85 ft.

BOTTOM WELL
CAP: 85.5 ft.
HOLE CLEANED
OUT to 86 ft.

Recovery
(inches)

PID Reading
(ppm)

54

60

60

0

0

0

Depth (ft.)

Sample

70

75

80

85

Date 10/20/04
Driller Air Rotary
Drilling Method ARCH
Sampler Continuous Core
Hammer Weight NA Drop NA
Logged by Datum
Surface Elevation 744.92 Hole Dia. 6.5 in.
Northing 507555.489 Easting 1236761.191

@ 70.5 ft.: Weaker material, breaks in fine layers

@ 75.3-75.4 ft.: White zone

@ 77.6-78.3 ft.: Small vertical fractures, no oxides

@ 80 ft.: Fine layers

Bottom of boring at 86 ft.

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